

## IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A wireless communication system comprising:  
a network;  
a ~~first~~ base station coupled to the network; and  
a mobile station coupled to the base station via a wireless communication link;  
wherein the network is configured to direct the mobile station to enter or leave soft handoff; ~~status and~~  
wherein the mobile station is configured to modify a ~~set of transmission parameters~~ parameter in response to the network directing the mobile station to enter or leave soft handoff, wherein the transmission parameter comprises a frame size, wherein if the mobile station is directed to enter soft handoff, the frame size is set to a first size and wherein if the mobile station is directed to leave soft handoff, the frame size is set to a second size.
  
2. (Canceled)
  
3. (Previously Presented) A wireless communication system as recited in claim 1, wherein the first size is greater than the second size.
  
4. (Currently Amended) A wireless communication system comprising:  
a network;  
a ~~first~~ base station coupled to the network; and  
a mobile station coupled to the base station via a wireless communication link;  
wherein the network is configured to direct the mobile station to enter or leave soft handoff; ~~status and~~  
wherein the mobile station is configured to modify a ~~set of transmission parameters~~ parameter in response to the network directing the mobile station to enter or leave soft handoff[.], wherein the transmission parameter comprises a frame size, wherein if the mobile station is directed to enter soft handoff, the frame size is set to a first size and wherein if the mobile station is directed to leave soft handoff, the frame size is set to a second size, wherein the first size is greater than the second size, and wherein the first size is 10 ms and the second size is 2 ms.

5. (Currently Amended) A wireless communication system as recited in claim 1, wherein the mobile station is configured to measure a pilot signal strength for each of one or more base stations, wherein the one or more base stations include the ~~first~~ base station coupled to the mobile station, and to periodically transmit one or more pilot strength measurement messages to the network.

6. (Original) A wireless communication system as recited in claim 5, wherein the network is configured to identify a change in a number of base stations in an active set for the mobile station based on the pilot strength measurement messages and to direct the mobile station to enter or leave soft handoff based on the change in the number of base stations in the active set.

7. (Currently Amended) A wireless communication system as recited in claim ~~6~~ 1, wherein the network is configured to direct the mobile station to enter or leave soft handoff by sending a handoff direction message (HDM) to the mobile station.

8. (Original) A wireless communication system as recited in claim 7, wherein the mobile station is configured to modify the transmission parameter in response to receiving the HDM from the network.

9. (Original) A wireless communication system as recited in claim 8, wherein the mobile station is configured to transmit a handoff completion message to the network after receiving the HDM.

10. (Currently Amended) A mobile station configured to operate in a wireless communication system, comprising:

~~a processing subsystem; and~~

~~a transceiver subsystem;~~

~~wherein the a processing subsystem is configured to set a transmission parameter comprising a frame size for the transceiver subsystem in response to detecting that the mobile station is entering or leaving soft handoff; and~~

a transceiver subsystem configured to transmit data on reverse link in accordance with the wherein the transmission parameter comprises frame size.

11. (Original) A mobile station as recited in claim 10, wherein the processing subsystem is configured to detect that the mobile station is entering or leaving soft handoff based upon a received handoff direction message (HDM).

12. (Currently Amended) A mobile station as recited in claim 11, wherein the processing subsystem is configured to set the frame size to a first value if the HDM directs the mobile station to enter soft handoff, and to set the ~~transmission parameter~~ frame size to a second value if the HDM directs the mobile station to leave soft handoff.

13. (Canceled)

14. (Currently Amended) A mobile station as recited in claim 12, wherein the first ~~size~~ value is greater than the second ~~size~~ value.

15. (Currently Amended) A mobile station configured to operate in a wireless communication system comprising:

- a processing subsystem; and
- a transceiver subsystem;

wherein the processing subsystem is configured to set a transmission parameter for the transceiver subsystem in response to detecting that the mobile station is entering or leaving soft handoff, ~~wherein the processing subsystem is configured to detect that the mobile station is entering or leaving soft handoff based upon a received handoff direction message (HDM), wherein the processing subsystem is configured to set the transmission parameter to a first value if the HDM directs the mobile station to enter soft handoff, and to set the transmission parameter to a second value if the HDM directs the mobile station to leave soft handoff, and further wherein the transmission parameter comprises a frame size, and wherein the first size value is greater than the second size value.~~

16. (Currently Amended) A mobile station as recited in claim 11, ~~further comprising measuring~~ 10, wherein the transceiver subsystem is configured measure a pilot

signal strength for each of one or more base stations and to periodically transmitting transmit one or more pilot strength measurement messages to a network connected to the base stations.

17. (Currently Amended) A mobile station as recited in claim 16, ~~further comprising transmitting 11, wherein the processing subsystem is configured to send a handoff completion message to the network after receiving the HDM.~~

18. (Currently Amended) A method implemented in a wireless communication system, comprising:  
 detecting a mobile station entering or leaving soft handoff; and  
 modifying a transmission parameter for the mobile station in response to detecting the mobile station entering or leaving soft handoff;  
 wherein the transmission parameter comprises a frame size, wherein if the mobile station is detected entering soft handoff, the frame size is set to a first size and wherein if the mobile station is detected leaving soft handoff, the frame size is set to a second size.

19. (Canceled)

20. (Previously Presented) A method as recited in claim 18, wherein the first size is greater than the second size.

21. (Currently Amended) A method implemented in a wireless communication system, comprising:  
 detecting a mobile station entering or leaving soft handoff; and  
 modifying a transmission parameter for the mobile station in response to detecting the mobile station entering or leaving soft handoff, wherein the transmission parameter comprises a frame size, wherein if the mobile station is detected entering soft handoff, the frame size is set to a first size and wherein if the mobile station is detected leaving soft handoff, the frame size is set to a second size, wherein the first size is greater than the first size, and wherein the first size is 10 ms and the second size is 2 ms.

22. (Original) A method as recited in claim 18, further comprising the mobile station measuring a pilot signal strength for each of one or more base stations and periodically transmitting one or more pilot strength measurement messages to a network.

23. (Original) A method as recited in claim 22, wherein detecting the mobile station entering or leaving soft handoff comprises identifying a change in a number of base stations in an active set for the mobile station based on the pilot strength measurement messages.

24. (Currently Amended) A method as recited in claim 23, further comprising sending a handoff direction message (HDM) from the network to the mobile station in response to detecting the change in ~~a~~ the number of base stations in ~~an~~ the active set.

25. (Original) A method as recited in claim 24, wherein modifying the transmission parameter for the mobile station is performed in response to receiving the HDM from the network.

26. (Original) A method as recited in claim 25, further comprising transmitting a handoff completion message from the mobile station to the network after receiving the HDM.

27. (Currently Amended) A method implemented in a mobile station, comprising:  
 detecting that the mobile station is entering or leaving soft handoff;  
 if the mobile station is entering soft handoff, setting a transmission parameter to a first value; and  
 if the mobile station is leaving soft handoff, setting ~~a~~ a transmission parameter to a second value;  
 wherein the transmission parameter comprises frame size.

28. (Currently Amended) A method as recited in claim 27, wherein detecting that the mobile station is entering or leaving soft handoff comprises receiving a handoff direction message (HDM) from ~~the~~ a network.

29. (Original) A method as recited in claim 27, further comprising measuring a pilot signal strength for each of one or more base stations and periodically transmitting one or more pilot strength measurement messages to a first one of the base stations.

30. (Currently Amended) A method as recited in claim ~~29~~ 28, further comprising transmitting a handoff completion message to the ~~first one of the base stations~~ network after receiving the HDM.

31. (Canceled)

32. (Original) A method as recited in claim 27, wherein the first value is greater than the second value.

33. (Currently Amended) A method implemented in a mobile station, comprising:  
 detecting that the mobile station is entering or leaving soft handoff;  
 if the mobile station is entering soft handoff, setting a transmission parameter to a first value; and  
 if the mobile station is leaving soft handoff, setting a the transmission parameter to a second value, wherein the transmission parameter comprises a frame size, ~~and~~ wherein the first value is greater than the second value, and wherein the first value is 10 ms and the second value is 2 ms.

34. (New) An apparatus for wireless communication, comprising:  
 means for detecting that a mobile station is entering or leaving soft handoff;  
 means for setting a transmission parameter to a first value if the mobile station is entering soft handoff; and  
 means for setting the transmission parameter to a second value if the mobile station is leaving soft handoff, the transmission parameter comprising a frame size.

35. (New) The apparatus of claim 34, wherein the means for detecting that the mobile station is entering or leaving soft handoff comprises means for receiving a handoff direction message (HDM) from a network.

36. (New) The apparatus of claim 35, further comprising means for sending a handoff completion message to the network after receiving the HDM.
37. (New) The apparatus of claim 34, further comprising:  
means for measuring a pilot signal strength for each of one or more base stations; and  
means for periodically transmitting one or more pilot strength measurement messages to a first one of the base stations.
38. (New) The apparatus of claim 34, wherein the first value is greater than the second value.
39. (New) The apparatus of claim 34, wherein the first value is 10 ms than the second value is 2 ms.
40. (New) The apparatus of claim 34, further comprising:  
means for transmitting data on reverse link in accordance with the frame size.
41. (New) A processor-readable medium including instructions stored thereon, comprising:  
instructions for detecting that a mobile station is entering or leaving soft handoff;  
instructions for setting a transmission parameter to a first value if the mobile station is entering soft handoff; and  
instructions for setting the transmission parameter to a second value if the mobile station is leaving soft handoff, the transmission parameter comprising a frame size.
42. (New) The processor-readable medium of claim 41, further comprising:  
instructions for receiving a handoff direction message (HDM) from a network.
43. (New) The processor-readable medium of claim 42, further comprising:  
instructions for sending a handoff completion message to the network after receiving the HDM.

44. (New) The processor-readable medium of claim 41, further comprising:  
instructions for obtaining a pilot signal strength for each of one or more base stations;  
and  
instructions for periodically sending one or more pilot strength measurement  
messages to a first one of the base stations.

45. (New) The processor-readable medium of claim 41, wherein the first value is  
greater than the second value.

46. (New) The processor-readable medium of claim 41, further comprising:  
instructions for directing transmission of data on reverse link in accordance with the  
frame size.